

AMENDMENTS TO THE CLAIMS

1. (Previously presented) An isolated 125P5C8 protein comprising the sequence of SEQ ID NO: 2.

Claims 2-6 (Cancelled)

7. (Currently amended) An isolated 125P5C8 protein that is at least 90% identical to the [[entire]] amino acid sequence of SEQ ID NO: 2 over the entire length of SEQ ID NO: 2, and wherein any amino acid substitutions are conservative substitutions wherein the protein is specifically bound by an antibody that specifically binds a 125P5C8 protein having the amino acid sequence of SEQ ID NO: 2, and binds to an antibody raised by immunization with a protein of SEQ ID NO: 2, that is immunospecific therefor.

Claims 8-13 (Cancelled)

14. (Previously presented) An isolated 125P5C8 protein of claim 7 that has an amino acid sequence which is exactly that of an amino acid sequence encoded by a polynucleotide selected from the group consisting of:

- (a) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1;
- (b) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1, from nucleotide residue number 82 through nucleotide residue number 696; and
- (c) a polynucleotide that encodes a 125P5C8 protein whose sequence is encoded by the cDNA contained in the plasmid designated *Escherichia coli* DH5A 125P5C8PRO deposited with American Type Culture Collection as Accession No. PTA -3137.

Claims 15-22 (Cancelled)

23. (Currently amended) An isolated 125P5C8 protein which is at least 90% identical to the [[entire]] amino acid sequence of SEQ ID NO: 2 over the entire length of SEQ ID NO: 2, and wherein any amino acid substitutions are conservative substitutions wherein the protein is

specifically bound by an antibody that specifically binds a 125P5C8 protein having the amino acid sequence of SEQ ID NO: 2, encoded by a and binds to an antibody raised by immunization with a protein of SEQ ID NO: 2, that is immunospecific therefor, produced by a process comprising culturing a host cell that contains an expression vector comprising an 125P5C8 nucleotide, where T can be U, that comprises:

- (a) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2103; or,
- (b) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2100; or,
- (c) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2097; or,
- (d) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 339; or,
- (e) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 1119; and or,
- (f) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 2065.

Claims 24-59 (Cancelled)